

DOCKET: CU-4700



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Seon Ho HAN et al

Serial No.: 10/572,725

Group Art Unit:

Filed: March 21, 2006

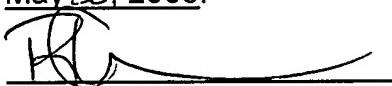
Examiner:

For: Direct Conversion RF Front-End Transceiver and its Components

**Certification under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with The United States Postal Service with sufficient postage as first class mail in an envelope addressed to The Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 26, 2006.

Robert C. Walker  
Name

  
Signature

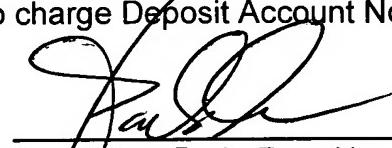
THE COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of the first Office Action on the merits, whichever event occurs last. 37 CFR 1.97(b).

No fee is believed to be required in view of the above. However, if this not the case, the Commissioner is authorized to charge Deposit Account No. 12-0400 for any required fees.

Date: May 26, 2006

  
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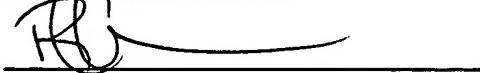
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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicant submits herewith patents, publications or other information of which Applicant is aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose under 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

The references submitted herein are listed on PTO-1449 form (modified) enclosed herewith. A copy of each reference listed is being furnished except any duplicate or cumulative patents or publications specified otherwise.

A translation of any foreign language reference, if any, is indicated in PTO-1449 form and being submitted herein if it is readily available. Otherwise it should be construed that such translation is not readily available.

No paper copies of the U.S. patent references identified in this IDS, if any, are submitted herewith as they are no longer required by the USPTO rules. Only the copies of foreign patent and/or other relevant publication references are submitted herewith.

Also submitted herein is a copy of the International Search Report which satisfies the requirement for a translation or concise explanation of any non-English reference cited therein, as provided in MPEP §609 A(3).

The Statement is made on the basis of the information:

X

supplied by an individual associated with the filing and prosecution of this application (37 CFR 1.56(c));

X

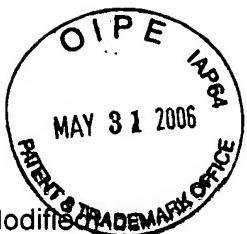
cited in a corresponding International Search Report (enclosed herein).

Respectfully submitted,



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Tel. No. (312) 427-1300

Date: May 26, 2006



-3-

Form PTO-1449 (Modified)

FORM PTO-1449		ATTY. DOCKET NO. CU-4700	SERIAL NO. 10/572,725
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))		Applicant <b>Seon Ho HAN et al</b>	
		FILING DATE <b>March 21, 2006</b>	GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
		5   7   3   2   3   3   0	03/24/98	Anderson et al			
		6   2   0   8   8   7   5	03/27/01	Damgaard et al			
		6   5   8   4   3   0   4	06/24/03	Thomsen et al			

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB-CLASS	TRANSLATION YES / NO
	10	0   3   3   9   6   8   7	08/28/02	Korea			
	2003	0   0   8   2   1   0   5	10/22/03	Korea			
	10-2004	0   0   2   2   0   1   9	03/11/04	Korea			
	WO	0   2   2   7   9   1   4	04/04/02	PCT			

**OTHER DOCUMENTS (Including Author, Title, Date, Place of publication)**

		Jussi Ryyänen et al, "A Single-Chip Multimode Receiver for GSM900, DCS1800, PCS1900, and WCDMA," IEEE Journal of Solid-State Circuits, Vol. 38, No. 4, April 2003, pp. 594-602
		Mikko Hotti et al, "A Direct Conversion RF Front-End for 2-GHz WCDMA and 5.8-GHz WLAN Applications," 2003 IEEE Radio Frequency Integrated Circuits Symposium, pp. 45-48
		Jon Strange et al, "A Direct Conversion Transceiver for Multi-Band GSM Application," 2000 IEEE Radio Frequency Integrated Circuits Symposium, pp. 25-28
		June-Ming Hsu et al, "A SiGe WCDMA/DCS Dual-band RF Front-end Receiver," 2003 IEEE Radio Frequency Integrated Circuits Symposium, pp. 27-30
EXAMINER		DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

(Form PTO-1449)

5-26-06